Audio System

TOYOTA PART NO. **PT546-00100**
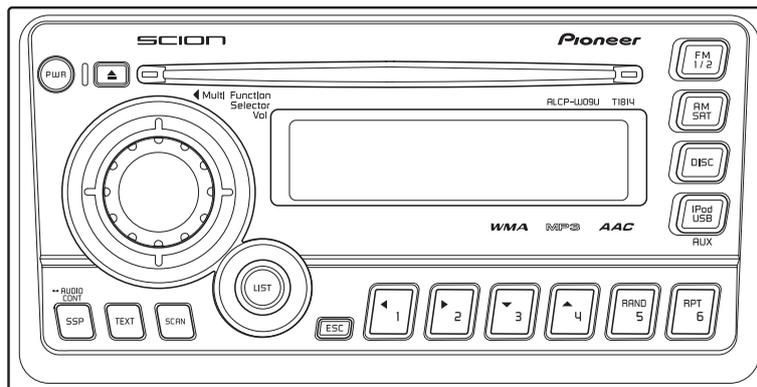
Owner's Manual
for AM/FM/CD Player with iPod/USB control

Features

CD playback

Music CD/CD-R/CD-RW playback is possible.

MP3 file playback

You can play back MP3 files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings) or USB portable audio player/USB memory.

- Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real-time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit
http://www.mp3licensing.com.

WMA file playback

You can play back WMA files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings) or USB portable audio player/USB memory.

AAC file playback

You can play back AAC files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings) or USB portable audio player/USB memory.

iPod® compatibility

When you use this unit, you can control an iPod, iPod classic, iPod nano, iPod touch, iPhone. (Refer to page 17.)

- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

About WMA

Windows Media™ and the Windows logo are trademarks or regis-

tered trademarks of Microsoft Corporation in the United States and/or other countries.

NOTICE
This unit may not operate correctly depending on the application used to encode WMA files.

About iPod

• Reproducing and playing back non-copyrighted material and material that can legally be reproduced and played back for private use is permitted with the iPod. Infringement of copyright is legally prohibited.

Made for iPod

Works with iPhone

Important information about this manual

For safety reasons, this manual indicates items requiring particular attention with the following marks.

NOTICE
This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

⚠CAUTION
This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

To ensure the correct audio system operation

• Be careful not to spill beverages over the audio system.
• Do not put anything other than a Compact Disc into the slot.
• The use of cellular phones inside or near the vehicle may cause noise from the audio system speakers you are listening to. However, this does not indicate a malfunction.

Contents

Display and Multi Selector

Possible MULTI SELECTOR operations are indicated.

The MULTI SELECTOR can be pressed five ways: up/down/right/left and in the center. Turn to the right or left to adjust the volume level, select a menu or select an item from a list.

CENTER — UP

LEFT — RIGHT

DOWN

Main MULTI SELECTOR displays

The following are the main displays that appear during MULTI SELECTOR operation. Each display indicates the operations that are currently available.

TRK ◀ ▶	You can select the next or the previous track on a CD or iPod by pressing the MULTI SELECTOR right/left.
TRK ▲FLD ◀ ▶ ▼	You can select the next or the previous track or select a folder on a CD or in a USB memory by pressing the MULTI SELECTOR up/down/right/left.
TUNE ◀ ▶ SEEK ▼	You can tune or seek a radio frequency by pressing the MULTI SELECTOR up/down/right/left.
TUNE ◀ ▶ ▼TYPE	You can tune the Satellite Radio broadcasting frequency or display and switch the category by pressing the MULTI SELECTOR up/down/right/left.

▲ ◀▶ ▼ or ▲ ▼	You can select a setting option, etc. by pressing the MULTI SELECTOR up/down/right/left or up/down.
O	You can select a setting option, etc. by pressing the center of the MULTI SELECTOR.
▲ ◀O▶ ▼	You can navigate a list or edit the OPENING TITLE by pressing the MULTI SELECTOR in the center or up/down/right/left.

①POWER

②MULTI SELECTOR/VOLUME

③SSP

④ESC

☞③ **SSP is an abbreviation of Scion Sound Processing.**

Basic Operation

Your audio system works when the ignition switch is in the "ACC" or "ON" position.

NOTICE
To avoid draining the battery, do not leave the car audio on longer than necessary when the engine is not running.

① **POWER**
Press to turn the unit on or off.

② **MULTI SELECTOR/VOLUME**
Turn the MULTI SELECTOR to raise/lower the volume levels (total volume step is 64). MULTI SELECTOR operation varies depending on the audio source or Menu. (Refer to page 5.)

③ **SSP**
Press the SSP button when the unit is "ON" position to select a sound mode. Press and hold the SSP button to switch to AUDIO CONTROL and select settings when the unit is "ON" position.

- **SSP (Scion Sound Processing)**

    SSP is a modified DSP (Digital Signal Processing) system that provides a customized sound for your vehicle. Press the SSP button to display the current SSP mode setting. While the setting is displayed, press repeatedly to switch to the following modes.

NEUTRAL:	Natural and smooth sound that gives no listening fatigue but comfort.
HEAR:	A powerful, energetic, live sound.
FEEL:	Player's sound –> reproduces the sound on the stage that musicians hear.

For more details, please visit the SCION Web site at http://www.scion.com/.

Each time you press it, the SSP changes in the following order:

NEUTRAL → HEAR → FEEL → NEUTRAL

- **AUDIO CONTROL**

    When the MULTI SELECTOR is turned, the setting item of the AUDIO CONTROL menu will switch in the following order:

FADER/BALANCE ↔ BASS ↔ TREBLE ↔ ASL (Automatic Sound Levelizer) ↔ SW (Subwoofer) ↔ AUDIO BOOK SPEED ↔ IPOD DIRECT CONT ↔ ASR (Advanced Sound Retriever)

FADER/BALANCE:
Press the MULTI SELECTOR up or down to adjust the sound balance between the rear and front speakers. The display ranges from R7 to F7. Press the MULTI SELECTOR right or left to adjust the sound balance between the left and right speakers. The display ranges from L7 to R7.

BASS: Press the MULTI SELECTOR up or down to adjust low-pitched tones. The display ranges from –5 to 5.

TREBLE: Press the MULTI SELECTOR up or down to adjust high-pitched tones. The display ranges from –5 to 5.

ASL: During driving, noise in the car changes according to the driving speed and road conditions. The automatic sound levelizer (ASL) monitors such varying noise and automatically increases the volume level. If this noise becomes greater, the sensitivity (variation of volume level to noise level) of ASL can be set to one of three levels. Press the MULTI SELECTOR changes the ASL setting as follows:
LOW → MID → HIGH → OFF

SW: Subwoofer output phase can be switched between normal and reverse by pressing the MULTI SELECTOR, Press the MULTI SELECTOR up or down to adjust the output level of the subwoofer. Each time MULTI SELECTOR is pushed up or down, subwoofer level increases or decreases, +6 to –24 is displayed as the level is increased or decreased.
- The output level and output phase of the subwoofer can be adjusted only when "SUBWOOFER CONT" on the SETUP MENU is set to ON. While "SUBWOOFER CONT" is set to OFF, the output level and output phase cannot be adjusted. (Refer to page 36.)

AUDIO BOOK SPEED:
You can change the iPod Audiobook playback speed.

Pressing the MULTI SELECTOR repeatedly switches the setting in the following order:

FASTER → SLOWER → NORMAL
- The speed can only be changed in iPod mode.
- While IPOD DIRECT CONT is set to ON, the speed cannot be changed.

IPOD DIRECT CONT:
A menu for turning on or off iPod direct control. If you select ON, you can control iPod operations on the iPod. If you select OFF, you can control iPod operations from this unit. When the MULTI SELECTOR is pressed, switches in the following order:

OFF → ON

• The speed can only be changed in iPod mode.

NOTICE

iPod (5th generation) and iPod nano (1st generation) do not support iPod direct control.

ASR: The ASR (Advanced Sound Retriever) function provides a wide, deep and rich quality to MP3/WMA/AAC sound, which gives the user a lively impression. Pressing the MULTI SELECTOR repeatedly switches the setting in the following order:

MODE1 → MODE2 → OFF

MODE1: Effective for low-compression audio media.

MODE2: Effective for high-compression audio media.

NOTICE

• The ASR function can only be selected when playing MP3/WMA/AAC from CD and iPod, USB portable audio player/USB memory.
• The ASR function does not support external compressed audio media.
• BASS function and TREBLE function values can be set for each of the modes (AM, FM, CD/MP3/WMA/AAC, iPod/USB portable audio player/USB memory, XM Satellite Radio, AUX). When you switch modes, the settings change to the BASS and TREBLE values set for the selected mode.
• The ASL function is only effective when the vehicle is moving.

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④ **ESC (Escape)**
Press the ESC button to exit from the AUDIO CONTROL menu, the SETUP menu and the SSP mode select menu that is displayed by pressing the SSP button.
Press the ESC button to exit from a list that was displayed by pressing the LIST button.

④MULTI SELECTOR   ⑥SCAN   ③LIST   ⑤PRESET1-6

Listening to the RADIO
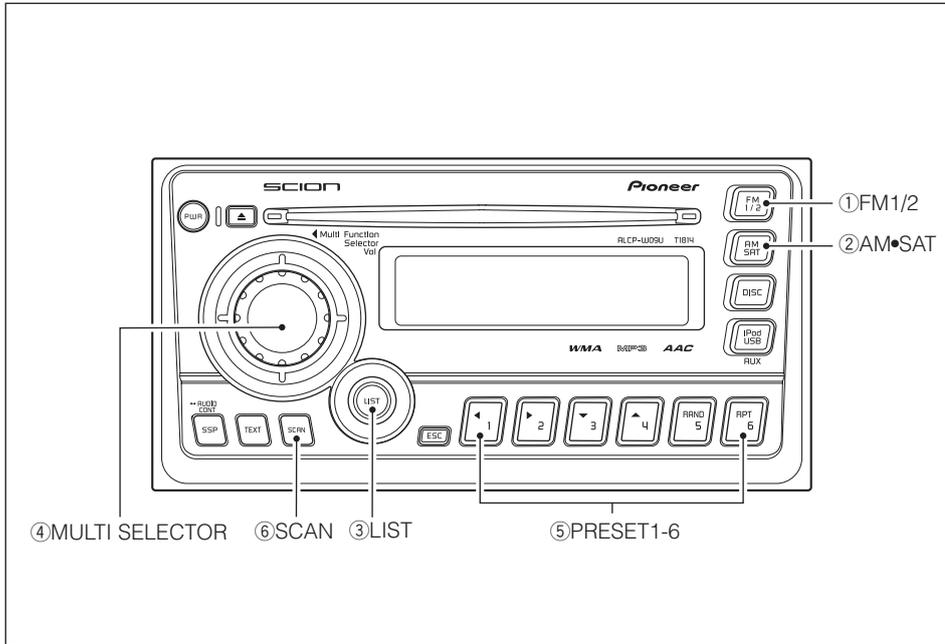
① **FM1/2**
Switches between FM1 and FM2 modes.

② **AM•SAT**
Switches between the AM mode and SAT1/2/3 modes. (must have Satellite Radio receiver and antenna installed at an additional charge to listen to Satellite Radio.)

③ **LIST**
Press to display the registered broadcasting station list in PRESET1-6.
Use the MULTI SELECTOR to select a station from the list.

FM1   CH1

87.9

④ **MULTI SELECTOR**

• **SELECT LIST**
Turn the MULTI SELECTOR clockwise or counterclockwise or press the MULTI SELECTOR up/down to select a station. Press the MULTI SELECTOR to set the station. If you press and hold the MULTI SELECTOR in the center until you hear a beep, the currently tuned station is stored as a preset channel in the preset channel list.

• **TUNE <UP>**
Press the MULTI SELECTOR right to manually select (one step at a time) the station with the next higher frequency. Press and hold the MULTI SELECTOR to the right to fast-forward to a higher frequency. Press the MULTI SELECTOR up to select the next higher station.

• **TUNE <DOWN>**
Press the MULTI SELECTOR left to manually select (one step at a time) the station with the next lower frequency. Press and hold the MULTI SELECTOR to the left to fast-forward to a lower frequency. Press the MULTI SELECTOR down to select the next lower station.

⑤ **PRESET 1-6**
Press to recall previously stored stations (Preset Channels).
Press and hold until you hear a beep, and the station you are currently tuned to is stored as a Preset Channel.

NOTICE

You can store up to 6 stations per band.

⑥ **SCAN**
If you press, **SCAN** is indicated in the display and SCAN begins searching for stations with good reception.
If you press and hold until you hear a beep, **SCAN** is indicated in the display and SCAN of preset channels begins.

②EJECT

①DISC

④MULTI SELECTOR   ⑨SCAN   ⑤◀ ⑥▶   ⑦Random
          ⑩TEXT   ③LIST   ⑧Repeat
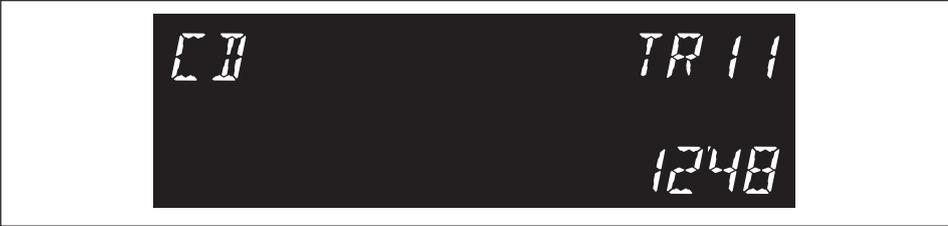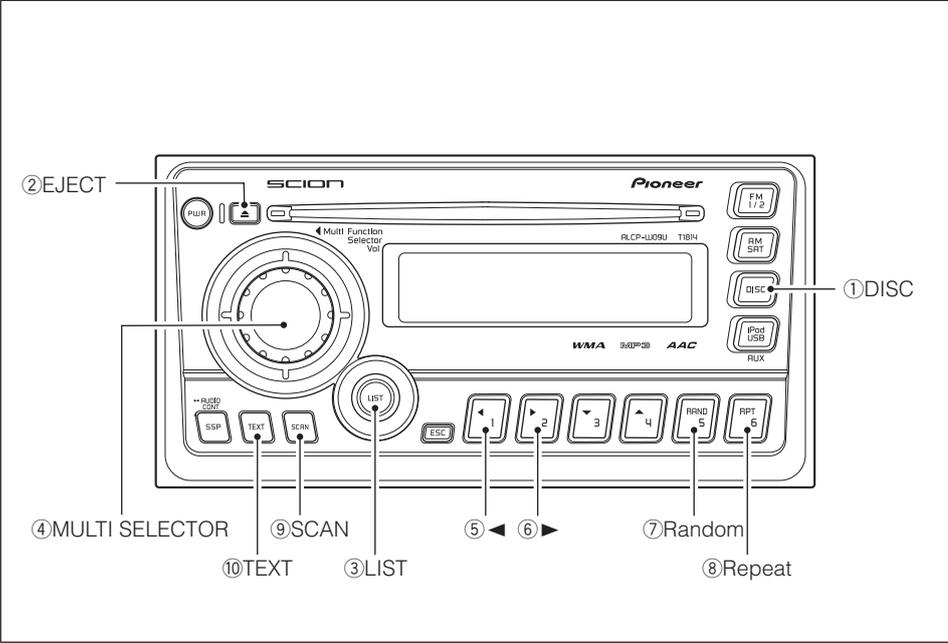
☞**No title name is displayed when playing back a CD containing no text information.**

Listening to a CD

Load a CD in the CD slot.
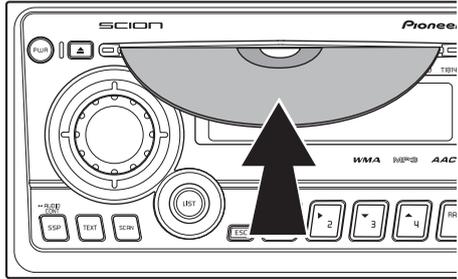
① **DISC**

Switches to the CD mode. (Only effective if a disc is loaded.)

② **⏏ (EJECT)**

Press to eject the disc.

③ **LIST**

Press to display a CD List.
Use the MULTI SELECTOR to select a CD from the list.

④ **MULTI SELECTOR**

• **SELECT LIST**

Turn the MULTI SELECTOR clockwise or counterclockwise or press the MULTI SELECTOR up/down to select the desired title. Press the MULTI SELECTOR in the center or to the right to start playback.
• No CD List is displayed when playing back a CD containing no text information.

• **TRACK <UP>**

Press the MULTI SELECTOR to the right to proceed to the next track.
Press and hold the MULTI SELECTOR to the right until you hear a beep, play of the track is fast forwarded. (There is sound.)

• **TRACK <DOWN>**

Press the MULTI SELECTOR to the left takes you back to the start of the track currently playing. Press the MULTI SELECTOR to the left once more to return to the previous track.
Press and hold the MULTI SELECTOR to the left until you hear a beep, play of the track is reversed. (There is sound.)

⑤ **PRESET 1 (◄)**

Pressing PRESET 1 takes you back to the start of the track currently playing. Press PRESET 1 once more to return to the previous track.
Press and hold PRESET 1 until you hear a beep, play of the track is reversed. (There is sound.)

⑥ **PRESET 2 (►)**

Press PRESET 2 to proceed to the next track.
Press and hold PRESET 2 until you hear a beep, play of the track is fast forwarded. (There is sound.)

⑦ **PRESET 5 (Random)**

If you press this, RAND is indicated in the display and starts to play tracks on the disc being played in random order. Press again to cancel.

⑧ **PRESET 6 (Repeat)**

If you press this, RPT is indicated in the display and starts to repeat the track being played. Press again to cancel.

⑨ **SCAN**

If you press this, SCAN is indicated in the display and starts to play the first 10 seconds of each track on the CD being played. Press again to cancel.

⑩ **TEXT**

Press, and display indications change as follows (TEXT CD only):

| Upper: Artist Name | → | Track Title |
| Lower: Track Title | | ELAPSED TIME |

| → | Disc Title |
| | Track Title |

When ► is displayed, if you press and hold until you hear a beep, the display will change to the next page. A maximum of 2 pages (32 characters) can be displayed.

⚠CAUTION

Compact disc players use an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

Listening to MP3/WMA/ AAC DISC and USB portable audio player/ USB memory
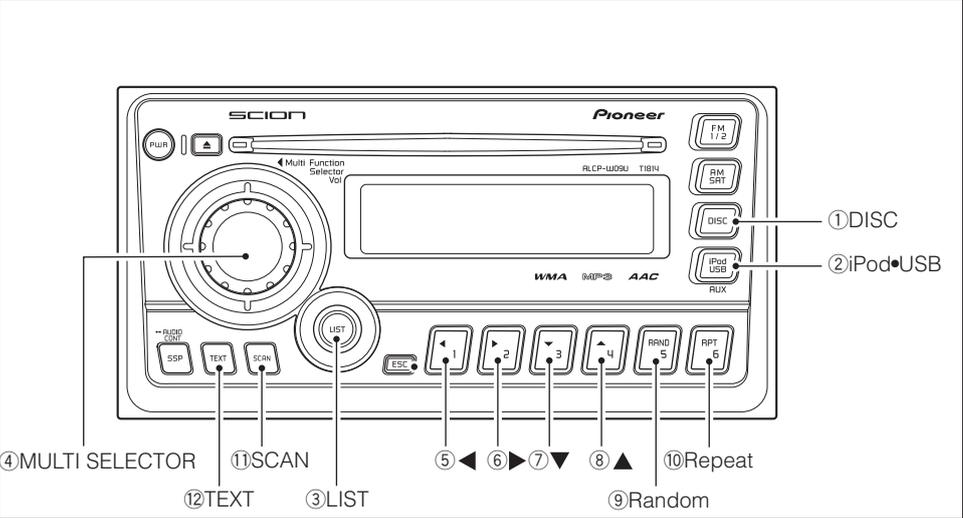
① **DISC**
② **iPod•USB**
③ **LIST**
   Press to display an MP3/WMA/AAC List. Use the MULTI SELECTOR to select an item from the list.

④ **MULTI SELECTOR**
 • **SELECT LIST**
   Turn the MULTI SELECTOR clock-wise or counterclockwise or press the MULTI SELECTOR up/down to select a file or folder. Press the MULTI SELECTOR in the center or to the right to play the selected file or fold-er. Use the MULTI SELECTOR to select an item from the list. (When a folder is selected, the first track in the folder is played.) Press the MULTI SELECTOR to the right to select the folder or press the MULTI SELECTOR to the left to return to the preceding folder. The MP3/WMA/AAC List is dis-played when the top folder in the root directory or the file or folder name is selected.

- **TRACK <UP>**
  Press the MULTI SELECTOR to the right to proceed to the next file. Press and hold the MULTI SELECTOR to the right until you hear a beep, play of the file is fast forwarded.
  (There is no sound.)

- **TRACK <DOWN>**
  Press the MULTI SELECTOR to the left takes you back to the start of the file currently playing. Press the MULTI SELECTOR to the left once more to return to the previous file. Press and hold the MULTI SELECTOR to the left until you hear a beep, play of the file is reversed. (There is no sound.)

- **FOLDER <UP>**
  Press the MULTI SELECTOR up to proceed to the next folder.

- **FOLDER <DOWN>**
  Press the MULTI SELECTOR down to return to the previous folder. Press the MULTI SELECTOR down and hold until you hear a beep to jump to HOME. HOME means returning back to play the first file in the first folder on the CD being played.

⑤ **PRESET 1 (◄)**
  Press PRESET 1 takes you back to the start of the file currently playing.

Press PRESET 1 once more to return to the previous file.
Press and hold PRESET 1 until you hear a beep, play of the file is reversed. (There is no sound.)

⑥ **PRESET 2 (►)**
  Press PRESET 2 to proceed to the next file.
  Press and hold PRESET 2 until you hear a beep, play of the file is fast forwarded. (There is no sound.)

⑦ **PRESET 3 (▼)**
  Press PRESET 3 to return to the previous folder.
  Press PRESET 3 and hold until you hear a beep to jump to HOME.
  HOME means returning back to play the first file in the first folder on the CD being played.

⑧ **PRESET 4 (▲)**
  Press PRESET 4 to proceed to the next folder.

⑨ **PRESET 5 (Random)**
  If you press this, RAND is indicated in the display and starts to play files in the folder being played in random order. Press again to cancel.
  If you press and hold until you hear a beep, RAND is indicated in the display and starts to play files in all folders on the disc being played in random order. Press again to cancel.

⑩ **PRESET 6 (Repeat)**
  If you press this, RPT is indicated in the display and starts to repeat the file being played. Press again to cancel.
  If you press and hold until you hear a beep, ▭RPT is indicated in the display and starts to repeat the folder being played. Press again to cancel.

⑪ **SCAN**
  If you press this, SCAN is indicated in the display and starts to play the first 10 seconds of each file in the folder being played. Press again to cancel.
 If you press and hold until you hear a beep, SCAN is indicated in the display and starts to play the first 10 seconds of the first file of each folder. Press again to cancel.

⑫ **TEXT**
  Press and display indications change as follows:

Upper: Artist Name Lower: Track Title	→ Track Title ELAPSED TIME
→ Folder Name File Name	

  When ► is displayed, if you press and hold until you hear a beep, the display will change to the next page. A maximum of 2 pages (32 characters) can be displayed.

About handling the iPod

About iPod settings

- This unit supports only an iPod featuring the Dock connector port.
- Operations may vary depending on the software version of iPod.
- The iPod Equalizer setting set by the iPod is not used.
- The Shuffle function of the iPod is operated as Random on this unit.

For details, refer to your iPod Owner's Manual.

About iPod software version

The iPod software versions that can be used with this unit are as follows (operations verified as of August 2008):

iPod (5th generation)	ver: 1.3
iPod classic	ver: 2.0
iPod nano (1st generation)	ver: 1.3.1
iPod nano (2nd generation)	ver: 1.1.3
iPod nano (3rd generation)	ver: 1.1.2
iPod nano (4th generation)	ver: 1.0.0
iPod touch	ver: 2.0
iPhone 3G	ver: 2.0

* Please note that no guarantee applies to iPod operations and future updated versions of iPod software.

Connecting the iPod

Connect the USB connector.

Connect the iPod as indicated in the figure below using an optional cable.

iPod with Dock connector port
USB port
*1
To the vehicle's USB connector *2
Dock connector   1 ft. 6 in. (45 cm)
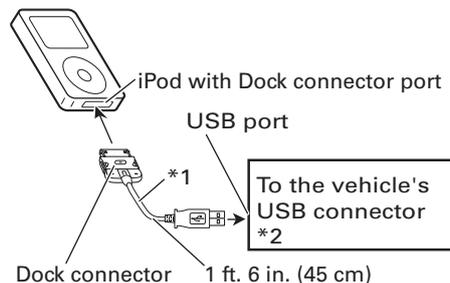
When connecting the iPod, remove a headphone cable from the iPod.

*1 Use an optional car audio cable.
*2 Connection location differs depending on the vehicle.

Vehicle type	Connection location
xB	**Connect to the USB connector near the parking brake.**
xD	**Connect to the USB connector near the cup holder.**

As soon as the iPod is connected, its power is automatically turned on.
While the iPod is connected to this unit, **SCION** (or ✓ (check mark)) is displayed on the iPod.

- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod itself cannot be turned on or off.
- The iPod connected to this unit is turned off about two minutes after the ignition switch is set to OFF.

NOTICE
To resolve most problems when using your iPod with the Scion Audio system, disconnect your iPod from the vehicle iPod connection and reset it. For instructions on how to reset your iPod, refer to your iPod Owner's Manual.

- Push in until you hear a click to connect firmly. If it does not go in smoothly, it may be upside down so do not force it in as this may result in damage.
- Connect the Dock connector directly to the iPod with Dock connector port. Do not connect it via the iPod Dock or other connection.
- When the iPod is connected to this unit, sound will also be heard from the headphone of the iPod. Use without the headphone.
- If you install an audio system other than a Scion Genuine Audio, you will not be able to use the USB connector.

- If the iPod does not operate with Scion Audio system, disconnect the connector from the iPod and re-connect again.
- To reset the iPod, disconnect the connector from the iPod, and then re-connect to the iPod when the operation screen displays.

Disconnecting the iPod

Remove the USB connector.
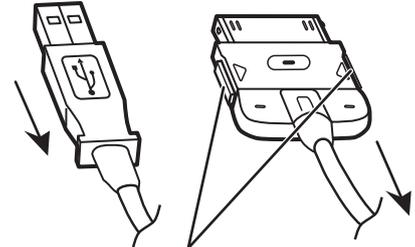
When disconnecting the iPod connector, grasp the connector firmly and pull it towards you.

When removing the iPod from this unit, the iPod main menu appears in the iPod display after a few seconds.

③MULTI SELECTOR   ②LIST   ④◄   ⑤►   ⑥Random

⑧TEXT   ⑦Repeat

①iPod•USB


```
IPOD              2/9
BLUE SKY
                  000
```

Listening to songs on the iPod
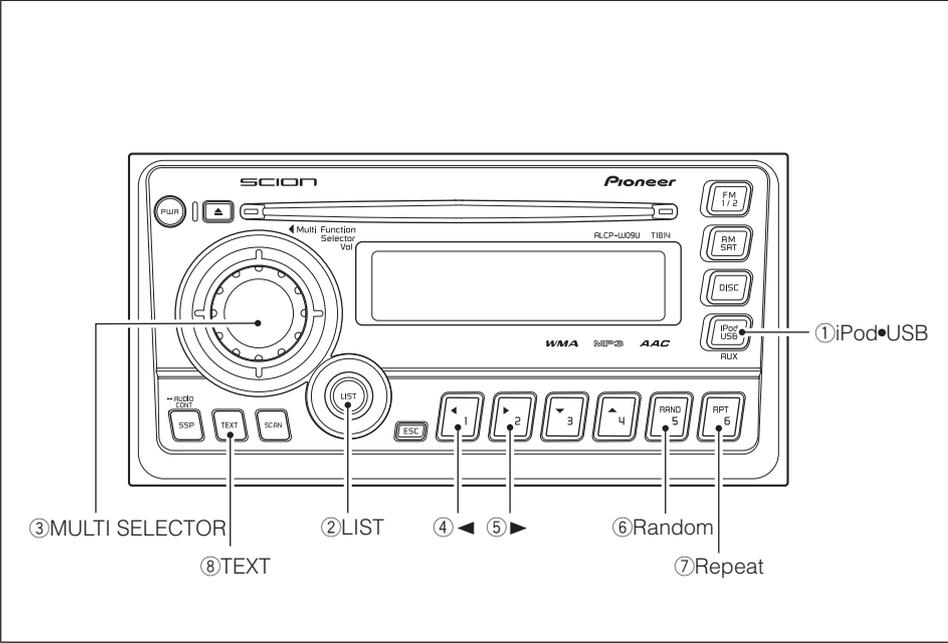
① **iPod•USB**

Press the button repeatedly until the source becomes iPod.

NOTICE
If an iPod is not connected, it will not switch to iPod even if you press the iPod•USB button.

② **LIST**

Press the LIST button to display the category list (Playlist is the first category displayed). Use the MULTI SELECTOR to change or select the category.

③ **MULTI SELECTOR**

• **SELECT LIST**

Turning the MULTI SELECTOR while the list is displayed switches the categories in the following order. Press the MULTI SELECTOR in the center or to the right to finalize.

Playlist → Artists → Albums → Songs → Podcasts → GENRES → Composers → Audio Book

Turn the MULTI SELECTOR to select an item from the selected category, and press the MULTI SELECTOR in the center or to the right to finalize.

- **TRACK <UP>, CHAPTER<UP>**
  Press the MULTI SELECTOR right to proceed to the next track or chapter. Press and hold the MULTI SELECTOR to the right until you hear a beep, play of the track is fast forwarded.

- **TRACK <DOWN>, CHAPTER <DOWN>**
  Press the MULTI SELECTOR left takes you back to the beginning of the track currently playing or previous chapter.
  Press the MULTI SELECTOR left once more to return to the previous track or chapter.
  Press and hold the MULTI SELECTOR to the left until you hear a beep, play of the track is reversed.

④ **PRESET 1 (◄)**
  Press PRESET1 to return to the beginning of the currently playing track or previous chapter. Continue to press PRESET1 to return to the beginning of the previous track or chapter.
  Press and hold PRESET2 until you hear a beep, play of the track is reversed.

⑤ **PRESET 2 (►)**
  Press PRESET2 to go to the next track or chapter. Press and hold PRESET2 until you hear a beep, play of the track is fast forwarded.

⑥ **PRESET 5 (Random)**
  If you press this, RAND is indicated in the display and starts to play tracks on the iPod being played in random order.
  Pressing PRESET5 repeatedly switches between the contents of random and Off.
  The random changes as follows:
  Track Shuffle → Album Shuffle → Off
  Press and hold PRESET5 to set Shuffle all.

⑦ **PRESET 6 (Repeat)**
  If you press this, RPT is indicated in the display and starts to repeat the track being played. Press again to cancel.

⑧ **TEXT**
  Text information recorded on the iPod can be displayed.
  Up to 16 characters can be displayed at once.
  Press and display indications change as follows:

  | Upper: Artist Name | → | Song Title |
  | Lower: Song Title | | ELAPSED TIME |

  | → | Album Title |
  | | Song Title |

  When 3 is displayed, if you press and hold until you hear a beep, the display will change to the next page. A maximum of 2 pages (32 characters) can be displayed.

NOTICE
• You cannot use the iPod's remote control at the same time.
• You may hear noise if you disconnect during iPod playback.
• The SCAN operation is not available when listening to the iPod.

ABC SEARCH on an iPod

You can search for an item in the list displayed on the iPod by the first character (alphanumeric characters only).

1 Press the LIST button. While the list is displayed, press the LIST button again.
ABC SEARCH is enabled.

```
ALBUMS
ABC SEARCH   A
```

2 Turn the MULTI SELECTOR or press it up or down to select a letter or numeral. For example, select "B".

```
ALBUMS
ABC SEARCH   B
```

3 Press the MULTI SELECTOR.

The search starts and the first item in the list that starts with "B" is displayed.

```
 AWAY
BACK TO
 BEST RUN
```

If the list does not contain any items starting with the selected character, [NOT FOUND] is displayed and ABC SEARCH is exited.

4 Turn the MULTI SELECTOR to select the desired track.
Scroll down the list.

```
 BEST RUN
BLUE SKY
 COSMOS
```

5 When the track you want to listen to is displayed in the center of the display, press the MULTI SELECTOR in the center or to the right. The selected track is played.

* To cancel ABC SEARCH, press the LIST button.

About handling the USB portable audio player/USB memory

- For information on USB portable audio player/USB memory restrictions, refer to page 40 "USB portable audio player/USB memory compatibility."
- For information on restrictions on folders in the USB portable audio player/USB memory, refer to page 40 "About folders and MP3/WMA/AAC files."

Connecting the USB portable audio player/USB memory

- Connect the USB portable audio player/USB memory to the USB port of the USB connector.
- For instructions on connecting and disconnecting the iPod, refer to page 17 "Connecting the iPod" and page 18 "Disconnecting the iPod."

①iPod•USB

Listening to USB portable audio player/USB memory

① **iPod•USB**
   Press the button repeatedly until the source becomes USB portable audio player/USB memory.

For information on playback operations after switching the source to USB, refer to page 14 "Listening to MP3/WMA/AAC DISC and USB portable audio player/USB memory."
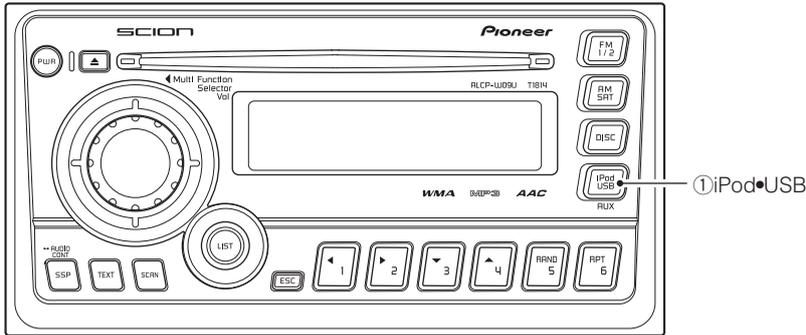
NOTICE

An additional Genuine Toyota satellite receiver and antenna must be purchased and installed to listen to Satellite radio broadcast in your vehicle.

NOTICE

An XM Satellite Radio subscription is required to listen to Satellite radio in your vehicle.

⚠ CAUTION

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

• This XM tuner supports Audio Services (Music and Talk) of only XM Satellite Radio and *Text Information linked to the respective Audio Service.
   *Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.
• XM Satellite Radio Inc. is solely responsible for providing services over the air to XM receivers.
• This XM tuner is awarded a Type Approval Certificate from XM Satellite Radio Inc. as a proof of compliance for the services XM Satellite Radio provides.

How to Subscribe to XM Satellite Radio <Option>

Listeners can subscribe by visiting XM on the Web at www.xmradio.com or by calling XM's Listener Care toll-free at (800)852-9696.
Customers should have their Radio ID ready.

Display the RADIO ID

Each XM tuner is identified with a unique Radio ID. You will need the Radio ID when activating XM service or when reporting a problem.

How to display RADIO ID
If you select CH 000, the ID Code is displayed.
Select the Channel Number zero (000) by turning the MULTI SELECTOR or pressing it to the left or right.

The RADIO ID is displayed as 8 alphanumeric characters.
(Refer to page 31 to confirm your radio ID code)

Record your ID Code below

ID CODE ___ ___ ___ ___ ___ ___ ___

Radio ID

Refer to the corresponding chart to verify the Radio ID Code before contacting XM Satellite Radio to activate your service.

Corresponding chart

Display	ID	Display	ID	Display	ID
1	1	A	A	N	N
2	2	B	B	——	O (Not used.)
3	3	C	C	P	P
4	4	D	D	Q	Q
5	5	E	E	R	R
6	6	——	F (Not used.)	——	S (Not used.)
7	7	G	G	T	T
8	8	H	H	U	U
9	9	——	I (Not used.)	V	V
0	0	J	J	W	W
		K	K	X	X
		L	L	Y	Y
		M	M	Z	Z

③MULTI SELECTOR   ⑤SCAN ②LIST   ④PRESET1-6

⑥TEXT

Listening to a XM Satellite Radio broadcast
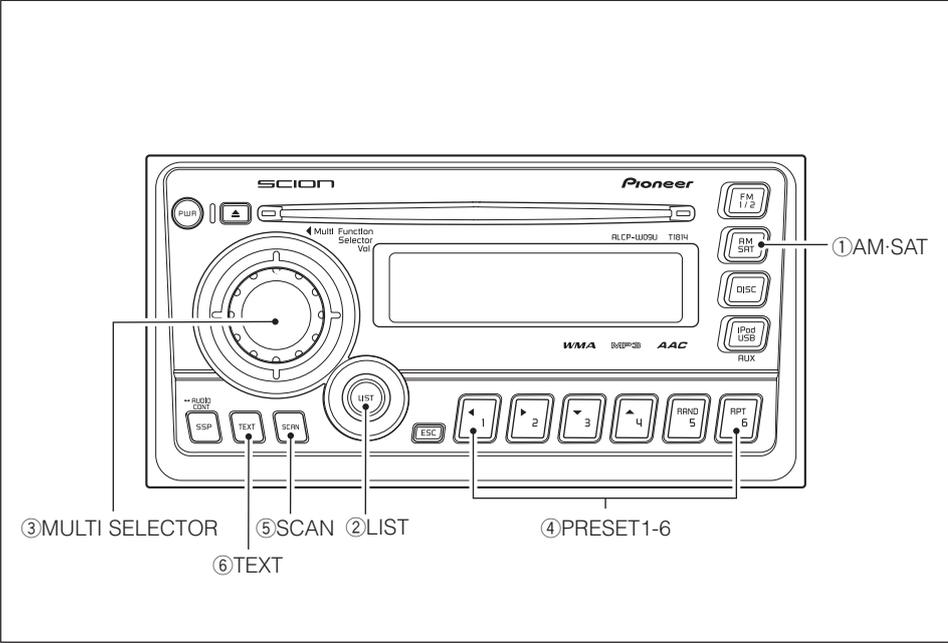
① **AM•SAT**
Switches between the AM mode and SAT1/2/3 modes.

NOTICE
Must have Satellite Radio receiver, antenna and service installed at an additional charge to listen to Satellite Radio. (Refer to pages 26 to 27.)

② **LIST**
Press to select the preset channel list mode.
Use the MULTI SELECTOR to select a channel from the list.

③ **MULTI SELECTOR**

• **SELECT LIST**

Turn the MULTI SELECTOR clock-wise or counterclockwise or press the MULTI SELECTOR up/down to select the desired channel. Broadcast will start by pressing the center or right of the MULTI SELECTOR. If you press and hold the MULTI SELECTOR in the center until you hear a beep, the currently tuned station is stored as a preset channel in the preset channel list.

• **TUNE <UP>**

Press the MULTI SELECTOR right selects the next higher channel.

If you press and hold, you can rapidly scroll forward through the channels. While displaying Channel Category by TYPE UP/DOWN, you can select the next channel forward within the currently selected type (Channel Category) by pressing the MULTI SELECTOR to the right.

• **TUNE <DOWN>**

Press the MULTI SELECTOR left to select the previous channel.

If you press and hold, you can rapidly scroll down through the channels. While displaying Channel Category by TYPE UP/DOWN, you can select the previous channel within the currently selected type (Channel Category) by pressing the MULTI SELECTOR to the left.

• **TYPE <UP>**

Press the MULTI SELECTOR up to see the Channel Category of the channel that is currently received. When Channel Category is displayed, press again to switch to the next category.

• **TYPE <DOWN>**

Press the MULTI SELECTOR down to see Channel Category of channel that is currently received. When Channel Category is displayed, press again to switch to the previous category.

④ **PRESET 1-6**

Press to recall previously stored channels (Preset Channels).

Press and hold until you hear a beep, and the channel you are currently receiving will be stored as a Preset Channel.

> **NOTICE**
>
> You can store up to 6 channels per band.

⑤ **SCAN**

Press and SCAN of the currently selected type (Channel Category) starts. At this time, **SCAN** is indicated in the display.

If you press and hold until you hear a beep, SCAN of preset channels starts.

Also at this time, **SCAN** is indicated in the display.

⑥ **TEXT**

Press this button and the indications in the display changes as follows:

Lower: Artist Name → Channel Name
Upper: Song Title   Song Title

> **NOTICE**
>
> **About the Display**
>
> Up to a maximum of 16 alphanumeric characters can be displayed.
> (Some information will not be fully displayed.)

Using the AUX

By inserting a mini plug into the AUX adapter, you can listen to music from a portable audio device through the vehicle's speaker system.

① **iPod•USB**
Switches to the AUX mode.

①iPod•USB
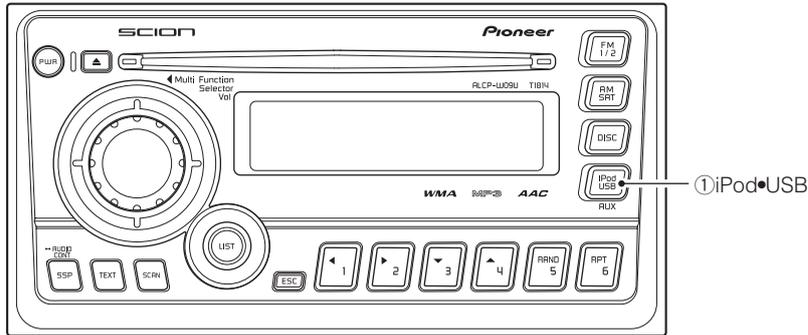
⚠CAUTION
When using a portable audio device connected to the power outlet or cigarette lighter, noise may occur during playback. If this happens, use the power source of the portable audio device.

NOTICE

- If the mini plug of a commercially available cable connected to a portable audio or other component is not connected to the car AUX adapter, the mode will not change to the AUX mode even if you press the iPod•USB button.
- Volume level when playing a component connected with a mini plug differs to that when listening to the built-in CD player or radio so please make adjustments.
- If you install an audio system other than a Scion Genuine Audio, you will not be able to use the AUX adapter.

POWER

SSP

PRESET1-3

Changing the Opening Screen

With the main unit switched on after pressing the Power button, once the key is turned from the ACC position to the off position and back to ACC again, "SCION" is displayed as the Opening Screen.
Users can edit the text themselves to make another Opening Screen, as an alternate to the default SCION display. Up to a maximum of 16 characters can be displayed. The procedure is described on next page.

SCION
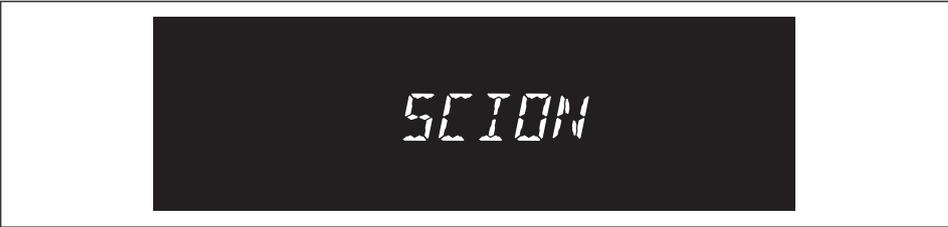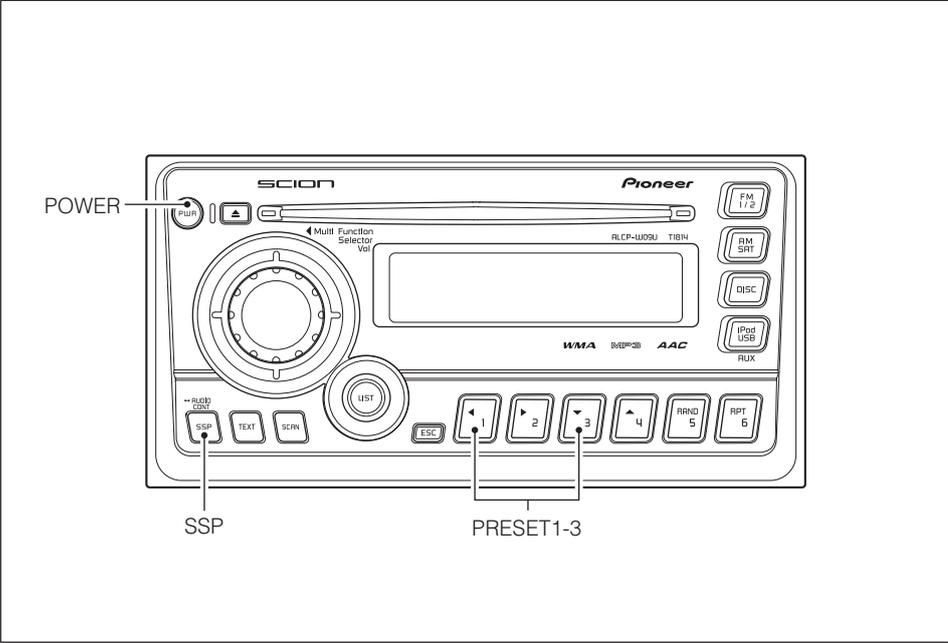
Editing the Text

The SETUP menu will be displayed when SSP is held down while the power is in "OFF" position. Turn the MULTI SELECTOR to select the OPENING TITLE. You can enter the character at the flashing cursor position. The character selection method is described below.

1　Enter the character to PRESET1, 2 and 3. Press the MULTI SELECTOR up or down to select the character, and press the MULTI SELECTOR right or left to move the cursor.
- PRESET1: Alphabet input (A-Z)
- PRESET2: Number
- PRESET3: Space, Deletion

2　After selecting the character, press the MULTI SELECTOR right. The cursor moves to the right, so you can edit the next character. (Maximum number of characters for entry is 16.)

　To choose and delete the character or text, choose the character with the cursor and then press PRESET3 to delete.

3　After character entry, press the MULTI SELECTOR in the center to register the text string.
　If the cursor is positioned on the 16th character, press the MULTI SELECTOR to the right to register the whole text entered.

New Message Display

The next time the ACC is switched on, the text edited by the user will be displayed.

NOTICE

To avoid draining the battery, do not leave the car audio on longer than necessary when the engine is not running.

Initial Setting

When the SSP is held while the power is in "OFF" position, switches to the SETUP menu. When the MULTI SELECTOR is turned, the setting item of the SETUP menu will switch in the following order:

SUBWOOFER CONT ⟷ **OPENING TITLE** ⟷ **SSP CAR TYPE**

SUBWOOFER CONT:

A menu for switching the subwoofer ON and OFF when a subwoofer is connected.

When switched to ON, you can hear the sound from the subwoofer and enter the subwoofer settings on the AUDIO CONTROL menu displayed by pressing the SSP button while the power is in "ON" position.

When switched to OFF, no sound can be heard from the subwoofer.

When the MULTI SELECTOR is pressed, switches in the following order:

OFF → ON

OPENING TITLE:

A menu for editing the opening message.

You can edit the opening message by the following operation.

For details of how to edit the opening message, refer to page 34 "Changing the Opening Screen."

- Move the cursor left and right with the MULTI SELECTOR left or right.
- Choose the text with the MULTI SELECTOR up or down.
- Enter alphabet with PRESET 1.
- Enter numbers with PRESET 2.
- Enter spaces with PRESET 3.
- Set the text with the MULTI SELECTOR in the center.

SSP CAR TYPE:

A menu for setting up the vehicle type.

When the MULTI SELECTOR is pressed, switches in the following order:

XD → TC → XB

Connecting an external amplifier

When you connect an external amplifier to RCA connectors, please install according to the amplifier manual.
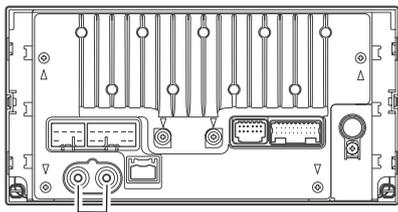
Subwoofer output

⚠CAUTION

- A standard speaker's input is rated 17.5 W input (largest 40 W input). When an amplifier is connected to the RCA output, make sure to change the speaker that corresponds to the output. If you connect to a standard speaker, this may cause to catch fire, emit smoke, or cause damage.

NOTICE

- The output of an internal amplifier will not stop even when an external amplifier is connected the RCA output. When cutting off the internal amplifier output cable, protect the cut surface to prevent short circuits.
- Subwoofer output of this unit is monaural. The output level cannot be adjusted with FADER/BALANCE on the AUDIO CONTROL Menu.
- Beeps will not be audible if an external amplifier is connected to the Front output.

Using the Steering Controller

In vehicles equipped with one, you can use the steering controller to operate this product.

Operation button names and functions.

- ■ **Volume buttons (⊕ , ⊖)**
  Press ⊕ to raise the volume level.
  Press ⊖ to lower the volume level.
- ■ **Mode selection button (MODE)**
- When power to this product is OFF:
  Press the button and power switches ON.
- When power to this product is ON:
  Each time you press the button the source* changes. If you continue pressing the button for an extended period, power to this product switches OFF.
  *The source switches in the following order:

  FM1 → FM2 → CD(MP3/WMA/AAC) → (AUX) → (iPod/USB) → AM →(SAT1) → (SAT2) → (SAT3) → FM1

■ Track/station selection button (◄ , ►)

- **When listening to the radio:**
  Press the button and the preset memory is recalled in order. If you continue pressing the button for an extended period, automatic station selection begins.

- **When listening to a CD:**
  Press the button to select a track.

- **When listening to MP3/WMA/AAC:**
  Press the button to select a file. Press and hold the button to select a folder.

- **When listening to the iPod:**
  Press the button to select a track.

- **When listening to USB portable audio player/USB memory:**
  Press the button to select a file. Press and hold the button to select a folder.

- **When listening to a SAT broadcast:**
  Press the button to recall preset channels in order.

MP3, WMA and AAC files

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player.
- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard.
- With some applications used to encode WMA files, this unit may not operate correctly.
- With some applications used to encode WMA files, album names and other text information may not be correctly displayed.
- This unit allows playback of MP3/WMA/AAC files on CD-ROM, CD-R, CD-RW discs and USB portable audio player/USB memory. Disc recordings compatible with level 1 and level 2 of ISO9660 and with the Romeo and Joliet file system can be played back.
- MP3/WMA/AAC files are not compatible with packet write data transfer.
- The maximum number of characters which can be displayed for a file name, including the extension (.mp3, .wma, .m4a), is 32, from the first character.

- The maximum number of characters which can be displayed for a folder name is 32.
- In case of files recorded according to the Romeo file system, only the first 32 characters can be displayed.
- The folder selection sequence for playback and other operations becomes the writing sequence used by the writing software. For this reason, the expected sequence at the time of playback may not coincide with the actual playback sequence. However, there also is some writing software which permits setting of the playback order.

IMPORTANT

- **When naming an MP3/WMA/ AAC file, add the corresponding filename extension (.mp3, .wma, .m4a).**
- **This unit plays back files with the filename extension (.mp3, .wma, .m4a) as an MP3/WMA/ AAC file. To prevent noise and malfunctions, do not use these extensions for files other than MP3/WMA/AAC files.**

MP3 additional information

- Files are compatible with the ID3 Tag Ver. 1.0, 1.1, 2.2, 2.3 and 2.4 formats for display of album (disc title), track (track title), artist (track artist) and comments. Ver. 2.x of ID3 Tag is given priority when both Ver. 1.x and Ver. 2.x exist.
- The emphasis function is valid only when MP3 files of 32, 44.1 and 48 kHz frequencies are played back. (16, 22.05, 24, 32, 44.1, 48 kHz sampling frequencies can be played back.)
- There is no m3u playlist compatibility.
- There is no compatibility with the MP3i (MP3 interactive) or mp3 PRO formats.
- The sound quality of MP3 files generally becomes better with an increased bit rates. This unit can play recordings with bit rates from 8 kbps to 320 kbps, but in order to be able to enjoy sound of a certain quality, we recommend using only discs recorded with a bit rate of at least 128 kbps.

WMA additional information

- This unit plays back WMA files encoded by Windows Media Player.
- You can only play back WMA files in the frequencies 32, 44.1 and 48 kHz.
- The sound quality of WMA files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 48 kbps to 320 kbps (CBR) or from 48 kbps to 384 kbps (VBR), but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with a higher bit rate.
- This unit doesn't support the following formats.
  Windows Media Audio 9 Professional (5.1ch)

  Windows Media Audio 9 Lossless

  Windows Media Audio 9 Voice

AAC additional information

- This unit plays back AAC files encoded by iTunes®.
- This unit plays back AAC files in the sampling frequencies 11.025, 16, 22.05, 24, 32, 44.1 and 48 kHz.
- The sound quality of AAC files generally becomes better with an increased transmission rate. This unit can play recordings with transmission rates from 16kbps to 320kbps, but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with a higher transmission rate.
- This unit doesn't support the following format:
  - Apple Lossless

About folders and MP3/WMA/AAC files

• An outline of a CD-ROM and USB portable audio player/USB memory with MP3/WMA/AAC files on it is shown below. Subfolders are shown as folders in the folder currently selected.

```
001
(ROOT)
  └─ 002
        ♪ 001.mp3
          (001.wma, 001.m4a)
        ♪ 010.mp3
          (010.wma, 010.m4a)
  └─ 003
        ♪ 011.mp3
          (011.wma, 011.m4a)
        ♪ 020.mp3
          (020.wma, 020.m4a)
  └─ 004
        ♪ 021.mp3
          (021.wma, 021.m4a)
        ♪ 030.mp3
          (030.wma, 030.m4a)
  └─ 005
```

⬆ First level ⬆ Second level ⬆ Third level
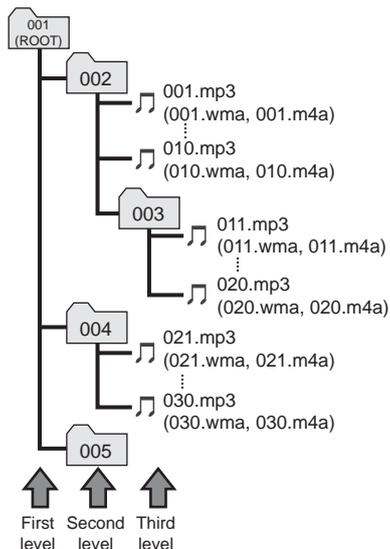
NOTES

• This unit assigns folder number. The user can not assign folder numbers.
• MP3/WMA/AAC files in the USB portable audio player/USB memory are played in the same order as they were copied to the USB portable audio player/USB memory.
• To specify the order in which files in the USB portable audio player/USB memory are played, we recommend the following method.
  1 Using a personal computer, add a number indicating the playback order in front of the file name, e.g. [001xxx.mp3] or [099yyy.wma].
  2 Put the files into a folder.
  3 Copy the folder to the USB portable audio player/USB memory.
    Depending on the computer environment, it may not be possible to specify the order by this method.

• It is not possible to check folders that do not include MP3/WMA/AAC files. (These folders will be skipped without displaying the folder number.)
• MP3/WMA/AAC files in up to 8 tiers of folders can be played back. However, there is a delay in the start of playback on discs and USB portable audio player/USB memory with numerous tiers. For this reason we recommend creating discs with no more than 2 tiers.
• It is possible to play back up to 192 folders on one disc.
• It is possible to play back up to 255 folders on one USB portable audio player/USB memory.

USB portable audio player/ USB memory compatibility

- USB version: 2.0, 1.1 and 1.0
- USB data transfer rate: full speed
- USB Class: MSC (Mass Storage Class) device
- Protocol: bulk
- Minimum amount of memory: 256 MB
- Maximum amount of memory: 250 GB
- File system: FAT32 and FAT16
- Supply current: 500 mA

NOTES

- Partitioned USB memory is not compatible with this unit.
- Depending on the kind of USB portable audio player/ USB memory you use, this unit may not recognize the USB audio player/USB memory or audio files may not be played back properly.

- This unit can play back files in the USB portable audio player/USB memory that is USB Mass Storage Class. However, copyright protected files that are stored in above-mentioned USB devices cannot be played back. (If the iPod is connected to this unit, file playback condition depends on the iPod specifications.)
- You cannot connect a USB portable audio player/USB memory to this unit via a USB hub.
- Not all multimedia portable devices

Terms

Packet write

This is a general term for a method of writing on CD-R, etc. at the time required for a file, just as is done with files on floppy or hard discs.

Bit rate

This expresses data volume per second, or bps (bits per second) units. The higher the rate, the more information is available to reproduce the sound. Using the same encoding method (such as MP3), the higher the rate, the better the sound.

Multi-session

Multi-session is a recording method that allows additional data to be recorded later. When recording data on a CD-ROM, CD-R or CD-RW, etc., all data from beginning to end is treated as a single unit or session. Multi-session is a method of recording more than 2 sessions in one disc.

CD-DA

CD-DA is an abbreviation of Compact Disc Digital Audio. It refers to the uncompressed format of regular CDs.

ID3 Tag

This is a method of embedding track-related information in a MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 Tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

ISO9660 format

This is the international standard for the format logic of CD-ROM folders and files. For the ISO9660 format, there are regulations for the following two levels.
Level 1:
The file name is in 8.3 format (the name consists of up to 8 characters, half-byte English capital letters and half-byte numerals and the "_" sign, with a file-extension of three characters).
Level 2:
The file name can have up to 31 characters (including the separation mark "." and a file extension). Each folder contains less than 8 hierarchies.
Extended formats
Joliet:
File names can have up to 64 characters.
Romeo:
File names can have up to 128 characters.

m3u

Playlists created using the "WINAMP" software have a playlist file extension (.m3u).

MP3

MP3 is short for MPEG1 & 2 Audio Layer3. It is an audio compression standard set by a working group (MPEG) of the ISO (International Standards Organization). MP3 is able to compress audio data to about 1/10 the level of a conventional disc.

WMA

WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later.

AAC

AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.

CD player and care

- Use only CDs that have either of the two Compact Disc Digital Audio marks as shown below.

- Use only normal, round CDs. If you insert irregular, non-round, shaped CDs they may jam in the CD player or not play properly.

- Check all CDs for cracks, scratches or warping before playing. CDs that have cracks, scratches or are warped may not play properly. Do not use such discs.
- Avoid touching the recorded (non-printed) surface when handling the disc.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and do not expose the discs to high temperatures.
- Do not attach labels, write on or apply chemicals to the surface of the discs.

- To clean a CD, wipe the disc with a soft cloth outward from the center.

- If the heater is used in cold weather, moisture may form on components inside the CD player. Condensation may cause the CD player to malfunction. If you think that condensation is a problem, turn off the CD player for an hour or so to allow it to dry out and wipe any damp discs with a soft cloth to remove the moisture.
- Road shocks may interrupt CD playback.
- Never put a label, tape or scratches on a disc. These will prevent the disc from being played.
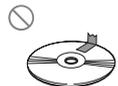
CD-R and CD-RW discs

- When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.
- It may not be possible to play back CDR/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc., on the lens of this unit.

- Playback of discs recorded on a personal computer may not be possible, depending on the application settings and the environment. Please record with the correct format. (For details, contact the manufacturer of the application.)
- Playback of CD-R/CD-RW discs may become impossible in case of direct exposure to sunlight, high temperatures, or the storage conditions in the car.
- Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this unit (in the case of audio data (CD-DA)).
- This unit conforms to the track skip function of the CD-R/CD-RW disc. The tracks containing the track skip information are skipped automatically (in case of audio data (CD-DA)).
- If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc.
- Read the precautions accompanying the CD-R/CD-RW discs before use.
- Recordings on CD-R/CD-RW can not be played back using the DDCD (Double Density CD) system.
- This unit will not play back SACD (Super Audio CD).

Dual discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs.

Error indications

If the CD player does not work, the CD stops suddenly during playback, or a similar problem occurs, an error indication will appear on the display. The cause of the trouble will be indicated by an error number, and you should check the corresponding item shown in the table below.

ERROR 1	When the disc is dirty or has been inserted upside-down. Check the disc.
ERROR 3	There is probably an electrical or mechanical fault in the CD player. Contact your Scion dealer and ask for repair.
ERROR 4	This appears when there is excess current flow. Contact your Scion dealer and ask for repair.
WAIT	This appears when the CD player does not work because its temperature is high. Wait a short while until the vehicle temperature goes down.
NO SONGS	This appears when an MP3/WMA/AAC file format is unusual and not supported by this unit like WAV format recordings. Please check the MP3/WMA/AAC file format.

When problems occur while the iPod is connected to this unit, a message will appear on the display. Refer to the table below to identify the problem, then take the suggested corrective action.

ERROR 4	This appears when there is excess current flow. Contact your Scion dealer and ask for repair.
CONNECTION ERROR	Communication failure. Disconnect the cable from the iPod. Once the iPod main menu appears in the iPod display, connect the cable again.
NO SONGS	No songs. Transfer the songs to the iPod.
EMPTY	There are no songs in the selected list. Select a list that contains songs.
STOP	iPod has stopped. Select again from list or connect the iPod again. If the iPod freezes, reset and connect again.

When problems occur with the USB portable audio player/USB memory is connected to this unit, a message will appear on the display. Refer to the table below to identify the problem, then take the suggested corrective action.

ERROR 4	This appears when there is excess current flow. Contact your Scion dealer and ask for repair.
NO SONGS	This appears when an MP3/WMA/AAC file format is unusual and not supported by this unit like WAV format recordings. Please check the MP3/WMA/AAC file format.
CONNECTION ERROR	Communication failure. Disconnect the USB portable audio player/USB memory and connect again.
DEVICE ERROR	This appears when an unsupported USB portable audio player/USB memory is connected. Disconnect the device.

When problems occur with the XM tuner, a message will appear on the display. Refer to the table below to identify the problem, then take the suggested corrective action.

CHECK ANTENNA	The XM antenna is not connected. Check whether the XM antenna cable is attached securely.
	A short-circuit occurring in the antenna or the surrounding antenna cable. Make sure that there is nothing unusual with the antenna or antenna cable.
NO SIGNAL	XM signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	Unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.
CH UNAUTHORIZED	The unit is updating the encryption code. Wait until the update is finished.
CH UNAVAILABLE	The unit is receiving a channel with no SID.

The XM Listener Care Center is also available on the phone, please call (800)-967-2346 during the following hours:
Mon - Sat: 6 AM - 1 AM EST   Sun: 8 PM - 8 PM EST

Changing or disconnecting your battery

About ASL setting

If the battery is changed or disconnected, you cannot setup the ASL setup option until the vehicle is moving.

Specifications

General

Power source . . . . 13.2 V DC
(10.5 V to 16.0 V allowable)
Grounding system . . . . Negative type
Max. current consumption . . . . 15 A
Dimensions (W × H × D)
. . . . 205 × 105 × 170 mm
Weight . . . . 1.86 kg

Audio

Tone controls
(Bass) . . . . Frequency : 80 Hz
Level : ±10 dB
(Treble) . . . . Frequency : 10 kHz
Level : ±10 dB
Maximum power output . . . . 40 W × 4
Load impedance . . . . 4 Ω

CD Player

System . . . Compact disc audio system
Usable discs . . . . Compact disc
Signal format
Sampling frequency . . . . . . 44.1 kHz
Number of quantization bits
. . . . 16; linear
Number of channels . . . . 2 (stereo)
MP3 decoding format
. . . . MPEG1 & 2 Audio Layer 3
WMA decoding format
. . . . . . Ver.7, 7.1, 8, 9, 10.11 (2ch audio)
(Windows Media Player)
AAC decoding format
. . . iTunes 7.6 or less (extension .m4a)

USB

Specification . . . . . . USB 2.0 full speed
Supply current . . . . 500 mA
Maximum amount of memory . . . 250 GB
File system FAT16, FAT32
MP3 decoding format
. . . . MPEG-1 & 2 Audio Layer 3
WMA decoding format
. . . . . Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio)
(Windows Media Player)
AAC decoding format
. . . iTunes 7.6 or less (extension .m4a)

AM tuner

Frequency range
. . . . 530 kHz to 1 710 kHz (10 kHz)

FM tuner

Frequency range
. . . . 87.75 MHz to 107.9 MHz